

HERNIA MESH

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According to the present invention, a flexible, fibrous hernia mesh is provided, which is intended to be implanted to close hernia defects. The mesh has at least two functional components or layers: (1) a rapidly degradable first layer and (2) a more slowly degradable (with respect to the first layer) second layer. Using the fibrous mesh of this invention, the hernia defect can be closed so that a) the second layer supports the area until the scar tissue is strong enough (around 6 months), to prevent recurrent hernia formation, b) while the more rapid degradation of the first layer induces scar tissue formation due to inflammatory reaction, and c) the second layer isolates the first layer from the abdominal cavity, preventing tissue to tissue adhesion onto the intestines. The mesh is placed on the uncovered fascia area with its more rapidly absorbable side (the first layer) towards the facia.

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